WASHINGTON STATE'S
BEYOND WASTE
PROJECT

Beyond Waste Implementation Plan

The following text and tables contain the implementation activities that are proposed as Beyond Waste "Starting Points," which means that they are priority actions that will be commenced first. Selection of these starting points was made based on a number of factors, including readiness to proceed, appropriate sequencing of actions, availability of resources, and likelihood of partners to collaborate on implementation.

In the following list, the recommendations that Ecology identified as starting points, are printed in **Bold**. At times, one or more steps within a recommendation may be starting points, but do not complete the entire recommendation. Even if there is only one starting point within a recommendation the entire recommendation is printed in **Bold**. For more information on any of the recommendations, please refer to the summary document.

Initiative: **Moving Toward Beyond Waste with Industries (IND)** *(pg. 11 of the summary document)*

- **IND1. Focus on sector work**
- **IND2. Specific sectors to focus on**
- **IND3. Develop a standardized process for sector work**
- IND4. Develop specific tools for sector work
- **IND5. Modify the Pollution Prevention Planning Program to dovetail with the Beyond Waste vision**
- **IND6. Expand information on Ecology's Web site**
- IND7. Form a work group on low-interest loans
- **IND8. Negotiate state agreement with EPA**
- IND9. Collaborate with affected parties to explore changes to hazardous waste fees and taxes
- **IND10. Explore ways to implement Beyond Waste incentives**
- IND11. Encourage new businesses to adopt sustainability practices
- IND12. Encourage waste handlers to become materials brokers
- **IND13. Support EPA's "Beyond Waste-type" efforts**
- IND14. Promote sustainability in product development

Initiative: **Reducing Small-Volume Hazardous Materials and Wastes (MRW)** *(pg. 17 of the summary document)*

- **MRW1. Prioritize substances to pursue**
- **MRW2. Reduce threats from Mercury**
- **MRW3. Reduce threats from PBDEs**
- **MRW4. Develop an electronics product stewardship infrastructure**
- MRW5. Ensure proper use of pesticides, including effective alternatives
- **MRW6. Reduce and manage all architectural paint wastes**
- **MRW7. Lead by example in State government**
- **MRW8. Ensure MRW and hazardous substances are managed according to hazards, toxicity and risk**
- **MRW9. Fully implement local hazardous waste plans**
- **MRW10. Ensure facilities handling MRW are in compliance with environmental laws and regulations**

Initiative: **Increasing Recycling for Organic Materials (ORG)** *(pg. 24 of the summary document)*

- **ORG1. Lead by example in State government**
- **ORG2. Increase residential and commercial organics recovery programs**
- ORG3. Improve quality of recycled organic products
- **ORG4. Develop a strategy to increase industrial and agricultural organics recovery**
- ORG5. Propose solutions to statutory and regulatory barriers
- ORG6. Develop new products and technologies for organic residuals

Initiative: **Making Green Building Practices Mainstream (GB)** *(pg. 29 of the summary document)*

- **GB1. Coordinate and facilitate partnerships to implement the green building action plan**
- **GB2. Lead by example in State government**
- **GB3. Provide incentives that encourage green design, construction, and deconstruction and begin removing disincentives**
- GB4. Expand capacity and markets for reusing and recycling construction and demolition materials
- **GB5. Provide and promote statewide residential green building programs**
- **GB6. Increase awareness, knowledge and access to green building resources**
- **GB7. Encourage innovative product design**

Initiative: **Measuring Progress Toward Beyond Waste (DATA)** *(pg. 33 of the summary document)*

- DATA1. Conduct a feasibility study to determine which major indicators to use
- **DATA2. Continue the work of Ecology's data team to produce a joint Beyond Waste progress report**
- **DATA3. Discuss indicators for each initiative**

Section: **Current Hazardous Waste System Issues (HW)** *(pg. 39of the summary document)*

- **HW1. Encourage P2 planners to address hazardous substance use including toxicity and risk in their P2 plans**
- HW2. Develop an EMS hybrid model and guidance
- **HW3. Improve P2 plan quality and relationships with P2 planners**
- **HW4. Strive for better relationships with the regulated community**
- **HW5. Work to ensure greater compliance with the regulations**
- HW6. Modify the *Dangerous Waste Regulations* to encourage more waste and toxics minimization, including upcycling
- **HW7. Ensure hazardous waste management facilities are operated in a safe manner**
- HW8. Develop accurate cost estimates for closure/corrective action
- **HW9. Reduce the administrative burden for corrective action facilities**
- HW10. Explore private/public partnerships

Section: **Current Solid Waste System Issues (SW)** *(pg. 45 of the summary document)*

- **SW1. Encourage inclusion of Beyond Waste principles into local plans**
- **SW2. Revise local planning guidelines**
- **SW3. Expand assistance to local planning jurisdictions**
- **SW4. Collaborate with local government**
- SW5. Ensure responsibilities are clear
- SW6. Characterize Washington's solid waste streams
- SW7. Plan for a stronger technical recycling system

SW8. Identify closed and abandoned sites statewide

SW9. Evaluate and prioritize problems at closed sites

SW10. Develop feasible and responsible processes for addressing priority sites

SW11. Identify funding to address priority sites

SW12. Ensure that existing disposal facilities comply with requirements

SW13. Continually reduce disposal impacts on human health and the environment

SW14. Evaluate financing for the solid waste system, including moving toward Beyond Waste, in consultation with the SWAC and interested parties

Two implementation tables are included below. The first table is organized by categories of similar actions because many of the actions must be carried out in a coordinated manner to be effective. It is identical to the table found in the Summary document, and is available at *http://www.ecy.wa.gov/biblio/0407022.html*. The second table lists implementation actions by key initiative/section (such as Making Green Building Practices Mainstream).

In addition to the starting points, the implementation plan also lists the Beyond Waste Plan recommendations that are not starting points, but are slated to begin later. Also included is a general listing of the actors needed to successfully carry out the recommendations. In most cases, Ecology will begin to coordinate and/or lead the efforts. However, other leaders will be sought for many of the actions.

Finally, as an additional resource, implementation plan actions are also included at the end of each of the following Background Papers:

- Moving Toward Beyond Waste with Industries *http://www.ecy.wa.gov/biblio/0407025.html*
- Reducing Small-Volume Hazardous Materials & Wastes *http://www.ecy.wa.gov/biblio/0407026.html*
- Increasing Recycling for Organic Materials *http://www.ecy.wa.gov/biblio/0407027.html*
- Making Green Building Practices Mainstream *http://www.ecy.wa.gov/biblio/0407028.html*
- Measuring Progress Toward Beyond Waste *http://www.ecy.wa.gov/biblio/0407029.html*
- Current Hazardous Waste System Issues *http://www.ecy.wa.gov/biblio/0407030.html*

TABLE 1: Beyond Waste Implementation Plan — Listed by Category of Actions

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
1. Collaborating with local governments to incorporate Beyond Waste (BW) strategies into local plans and grant-funded projects		
Encourage inclusion of Beyond Waste principles into local plans. (SW1) **Revise local planning guidelines.** Review Planning Guidelines for existing requirements that support BW initiatives. (SW2) **Expand assistance from Ecology to local planning jurisdictions.** (SW3) **Collaborate with local government.** Strategically use grant funds to encourage incorporating and implementing BW principles/priorities in local plans. (SW4) **Increase residential and commercial organics recovery programs.** Encourage local governments to incorporate organics initiative goals into local plans; produce statewide report of home composting and assess needs/opportunities. (ORG2) **Fully implement local hazardous waste plans.** Provide assistance for MRW plan updates; produce status report of plans; develop strategy for full implementation. (MRW9) **Identify closed and abandoned landfill and dump sites statewide.** Convene workgroup to develop inventory and prioritization processes; provide assistance with inventories. (SW8 and SW9)	Ecology will coordinate these efforts in collaboration with local government.	SW8 (Remainder) Complete inventories of closed/ abandoned landfills and dumps SW9 Use process to prioritize problems at identified sites
2. Focusing on specific sectors		
Reduce threats from PBDEs. Help implement PBDE Chemical Action Plan. (MRW3) **Reduce threats from mercury.** Education and technical assistance to businesses; develop and implement household and school education. (MRW2) **Specific sectors to focus on.** Implement Mercury Action Plan, including auto switches and lights, and in hospitals; help implement PBDE chemical action plan, general government sector and Cleaner Production Challenge. (IND1 and IND2) **Develop a standardized process for sector work.** Workgroup will establish process for selecting future sectors to prioritize. (IND3) **Prioritize substances to pursue.** In concert with IND3, workgroup will establish process for selecting future substances to prioritize. (MRW1)	Ecology will initiate this effort in close cooperation with local government, and several other entities.	MRW1. (Remainder) Select future priority substances MRW5. Ensure proper use of pesticides, including effective alternatives IND3. (Remainder) Select future priority sectors

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
3. Leading by example in government (including EPP)		
Lead by example in state government. • Develop and implement environmentally preferable purchasing policies and practices and promote to users of state contracts. (MRW7) • Maximize use and purchase of environmentally preferable products and services in the following areas: automotive products, grounds maintenance, electronics, cleaning products and flame retardants. (MRW7) • Assistance to state government to use green building practices, including procurement of environmentally preferable building materials; technical assistance and training. (GB2) • Maximize procurement of recycled organic products at state agencies; identify procured products that interfere with closed loop organic recycling and find alternatives; identify current purchases that could be replaced with recycled organic products. (ORG1) • Implement yard debris, food waste and soiled paper collection and processing at state government facilities. (ORG1) • Develop best management practices for composting food waste and soiled paper at institutions. (ORG1)	Ecology will lead this effort at first, in close cooperation with GA, OFM and other entities.	ORG1. (Remainder) Partner with state agencies and other large institutions to implement organics collection and processing programs
4. Building demonstration projects		
Lead by example in state government. Design and install food/paper towel compost demonstration project at Ecology HQ building. (ORG1)	Ecology will lead this effort and incorporate GB and MRW initiative goals/recommendations as possible.	
5. Raising awareness, knowledge and demand		
Lead by example in state government. Advertise success of demonstration projects, especially links to environmental benefits and cost reductions. (ORG1) **Increase awareness, knowledge and access to green building resources.** Support expansion of educational programs that nonprofit, private, and government sectors are already providing; work with educational institutions at all levels to develop a plan for including GB practices in curricula. (GB6)	Ecology will lead these efforts, and will seek others to lead green building- related efforts.	ORG2. (Remainder) Healthy soils program GB6. (Remainder) Info clearinghouse, technical assistance centers, marketing HW1. (Remainder) Education on P2 Planning

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
6. Improving technical assistance and customer relationships		
Encourage P2 Planners to address hazardous substance use including toxicity and risk in their P2 Plans. (Develop incentives, technical assistance, new tools). (HW1) **Modify P2 Planning Program to dovetail with the Beyond Waste vision.** (IND5) **Strive for better relationships with the regulated community.** HWTR inspectors more training, consistency, business experience, follow inspectors manual. (HW4) **Provide/promote statewide residential GB programs.** Market available support, such as technical assistance, promotional materials, and checklists. (GB5) **Ensure facilities handling MRW are in compliance with environmental laws and regulations**. Form partnership (Ecology, local govt. and TSDs) to evaluate the effectiveness of the existing compliance strategy (plans, grants, regulations, technical assistance). Develop/implement a plan to strengthen compliance of TSDs, MRW recyclers, and other MRW facilities. (MRW10) **Reduce the administrative burden for corrective action facilities.** Encourage voluntary cleanup, use of orders instead of permits, reasonable and protective cleanups. (HW9)	Ecology will lead this effort.	IND4. Develop specific tools for sector work IND12. Encourage waste handlers to become materials brokers HW5. (Remainder) Inspections, additional training for businesses
7. Providing incentives		
Explore ways to implement Beyond Waste incentives. (IND10) **Increase residential and commercial organics recovery programs.** Evaluate incentives used by other states; convene stakeholders for input on incentives. (ORG2) **Lead by example in state government.** Recommendations to legislature to identify incentives that will increase state government green building investments. (GB2) **Provide incentives that encourage green design, construction, and deconstruction.** Research regulatory and other disincentives that act as barriers; identify and promote existing incentives; survey stakeholders for input on incentives and regulatory barriers. (GB3)	Ecology will lead these efforts in consultation with affected parties.	IND7. Form a work group on low-interest loans IND9. Collaborate with affected parties to explore changes to hazardous waste fees and taxes IND11. Encourage new businesses to adopt sustainability practices GB3. (Remainder) Develop strategy to address disincentives and to employ incentives HW8. Develop accurate cost estimates for closure/corrective action

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
8. Reviewing statutes and regulations		
Ensure MRW and hazardous substances are managed according to hazards, toxicity and risk. Collect examples of problems and needs to address. (MRW8) **Ensure hazardous waste management facilities are operated in a safe manner** (rule development for TSD initiative). (HW7)	Ecology will lead regulatory review efforts in cooperation with local government and others.	SW5. Ensure responsibilities are clear ORG5. Propose solutions to statutory and regulatory barriers HW6. Modify the *Dangerous Waste Regulations* to encourage more waste and toxics minimization including upcycling HW7. (Remainder) Consistent regulation; increased public understanding; operator certification MRW8. (Remainder) Develop approach to address identified needs in environmental laws and regulations
9. Providing enhanced tools on the Web		
Improve P2 Plan quality and relationships with P2 planners (web-based P2 planning format). (HW3) **Work to ensure greater compliance with the regulations.** More compliance information on the Web. (HW5) **Increase residential/commercial organics recovery programs.** Research existing collection contracts, identify opportunities for increased organics recycling in future contracts, and post model contracts on the Web. (ORG2) **Lead by example in state government.** Provide information on web about composting demo project and best management practices. (ORG1) **Provide and promote statewide residential green building program.** Create a BuiltGreen Washington Web site; cookbook on how to start new programs; market available resources and technical assistance. (GB5) **Expand information on Ecology's Web site.** (IND6)	Ecology will lead this effort with other entities.	HW2. Develop an EMS hybrid model and guidance

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
10. Researching and promoting green products		
Encourage innovative product design. Support and actively participate in regional and national product stewardship councils and efforts to help ensure that current product stewardship initiatives for carpet, paint, and mercury-containing building products are making progress (use government purchasing power to drive product stewardship efforts). (GB7) **Lead by example in state government.** Identify procured products that interfere with closed-loop organics recycling; encourage use and development of alternatives. (ORG1)	Ecology will lead this effort at first, in close consultation with regional and national product stewardship councils and research universities.	ORG3. Improve quality of recycled organic products. ORG6. Develop new products and technologies for organic residuals IND14. Promote sustainability in product development
11. Developing recycling and product stewardship infrastructure		
Develop an electronics product stewardship infrastructure. Conduct study in accordance with ESHB 2488 and participate in national/regional dialogues. (MRW4) **Reduce and manage all architectural paint wastes.** Continue participation in national Paint Dialogue; if not successful develop an alternative northwest approach. (MRW6)	Ecology will work with national/ regional product stewardship organizations and state SWAC on these efforts.	GB4. Expand capacity and markets for reusing and recycling construction and demolition materials.
12. Collaborating with our key partners		
Negotiate the State agreement with EPA. Revise state agreement between Ecology and EPA to be more in line with Beyond Waste vision. (IND8) **Support EPA's "Beyond Waste" type efforts.** (IND13) **Coordinate and facilitate partnerships to implement Green Building Action Plan.** Convene partnership forum to coordinate implementation of GB initiative. (GB1) **Evaluate financing for the solid waste system.** Convene workgroup to conduct evaluations of solid waste financing. (SW14) **Develop a strategy to increase industrial and agricultural organics recovery** (Assess barriers). (ORG4)	Ecology will lead or coordinate these efforts.	ORG4. (Remainder) Develop plan to address barriers HW10. (Remainder) Explore private/public partnerships for waste handling facilities

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
13. Collecting and analyzing data		
Continue the work of Ecology's data team to produce a joint Beyond Waste progress report. (DATA2) **Refine indicators for each initiative with our key partners.** (DATA3)	Ecology will lead this effort.	DATA1. Conduct a feasibility study to determine which major indicators to use SW6. Characterize Washington's solid waste streams SW7. Plan for a stronger technical recycling system SW10. Develop feasible and responsible processes for addressing priority sites SW11. Identify funding to address priority sites SW12. Ensure that existing disposal facilities comply with requirements SW13. Continually reduce disposal impacts on human health and the environment

The Department of Ecology is also working on a number of actions that will maximize the agency's capacity to successfully implement Beyond Waste recommendations. Some of the initial steps Ecology is taking include an assessment and realignment of staff skills and expertise to the Beyond Waste vision, and the development of teams to implement elements of the plan in a coordinated fashion. Emerging technologies and infrastructure innovations will be prime areas for staff training.

TABLE 2: Beyond Waste Implementation Plan — Listed by Key Initiatives/Sections

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
1. Moving Toward Beyond Waste with Industries		
IND 1 Focus on sector work **IND 2 Specific sectors to focus on** • Implement Mercury Action Plan, including auto switches, lights, and hospital use • Help implement PBDE chemical action plan • General government sector • Cleaner Production Challenge	Ecology will initiate this effort in close cooperation with local government, and several other entities.	IND3. Select future priority sectors IND4 Develop specific tools for sector work IND7 Form a work group on low-interest loans IND9 Collaborate with affected parties to explain changes to hazardous waste fees and taxes IND11 Encourage new businesses to adopt sustainability practices IND12 Encourage waste handlers to become materials brokers IND14 Promote sustainability in product development
IND 3 Develop a standardized process for sector work • Workgroup will establish process for selecting future sectors to prioritize	Ecology will initiate this effort in close cooperation with local government, and several other entities.	
IND 5 Modify the Pollution Prevention Planning Program to dovetail with the Beyond Waste vision	Ecology will lead this effort.	
IND 6 Expand information on Ecology's Web site	Ecology will lead this effort with other entities.	
IND 8 Negotiate the state agreement with EPA • Revise state agreement between Ecology and EPA to be more in line with Beyond Waste vision.	Ecology will lead or coordinate these efforts.	
IND 10 Explore ways to implement Beyond Waste incentives	Ecology will lead these efforts in consultation with affected parties.	
IND 13 Support EPA's "Beyond Waste" efforts	Ecology will lead or coordinate these efforts.	
Recommendations to Begin in First Year	**Approach for Implementation**	**Recommendations for Years 2-5**
2. Reducing Small-Volume Hazardous Materials and Wastes		
MRW1 Prioritize substances to pursue • In concert with IND3, workgroup will establish process for selecting future substances to prioritize.	Ecology will initiate this effort in close cooperation with local government, and several other entities.	MRW1. (Remainder) Select future priority substances MRW5. Ensure proper use of pesticides, including effective alternatives MRW8. (Remainder) Develop approach to address identified needs in environmental laws and regulations
MRW2 Reduce threats from Mercury • Education and technical assistance to businesses; develop and implement household and school education.	Ecology will initiate this effort in close cooperation with local government, and several other entities.	
MRW3 Reduce threats from PBDEs • Help implement PBDE Chemical Action Plan.	Ecology will initiate this effort in close cooperation with local government, and several other entities.	

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
MRW4 Develop an electronics product stewardship infrastructure • Conduct study in accordance with ESHB 2488 and participate in national/regional dialogues.	Ecology will initiate this effort in close cooperation with local government, and several other entities. Ecology will work with national/regional product stewardship organizations and state SWAC on these efforts.	
MRW6 Reduce and manage all architectural paint wastes • Continue participation in national Paint Dialogue; if not successful develop an alternative northwest approach.	Ecology will work with national/regional product stewardship organizations and state SWAC on these efforts.	
MRW7 Lead by example in State government • Develop and implement environmentally preferable purchasing policies and practices and promote to users of state contracts. • Maximize use and purchase of environmentally preferable products and services in the following areas: automotive products, grounds maintenance, electronics, cleaning products and flame retardants.	Ecology will lead this effort at first, in close cooperation with GA, OFM and other entities.	
MRW8 Ensure MRW and hazardous substances are managed according to hazards, toxicity and risk • Collect examples of problems and needs to address.	Ecology will lead regulatory review efforts in cooperation with local government and others.	
MRW9 Fully implement local hazardous waste plans • Provide assistance for MRW plan updates. • Produce status report of plans • Develop strategy for full implementation.	Ecology will coordinate these efforts in collaboration with local government.	
MRW10 Ensure facilities handling MRW are in compliance with environmental laws and regulations • Form partnership (Ecology, local govt. and TSDs) to evaluate the effectiveness of the existing compliance strategy (plans, grants, regulations, technical assistance). • Develop/implement a plan to strengthen compliance of TSDs, MRW recyclers, and other MRW facilities.	Ecology will lead this effort.	

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
3. Increasing Recycling for Organics Materials		
ORG1 Lead by example in State government • Maximize procurement of recycled organic products at state agencies, • Identify procured products that interfere with closed-loop organics recycling; encourage use and development of alternatives. • Identify current purchases that could be replaced with recycled organic products. • Implement yard debris, food waste, soiled paper collection and processing at state government facilities. • Develop best management practices for composting food waste and soiled paper at institutions. • Design and install food/paper towel compost demonstration project at Ecology HQ building. • Advertise success of demonstration projects, especially links to environmental benefits and cost reductions. • Provide information on web about composting demo project and best management practices.	Ecology will lead this effort at first, in close cooperation with GA, OFM and other entities. Ecology will also incorporate GB and MRW initiative goals/recommendations as possible.	ORG1. (Remainder) Partner with state agencies and other large institutions to implement organics collection and processing programs ORG2. (Remainder) Healthy soils program ORG3 Improve quality of recycled organic products ORG5. Propose solutions to statutory and regulatory barriers ORG6. Develop new products and technologies for organic residuals ORG4. (Remainder) Develop plan to address barriers
ORG2 Increase residential and commercial organics recovery programs • Encourage local governments to incorporate organics initiative goals into local plans. • Produce statewide report of home composting and assess needs/opportunities. • Evaluate incentives used by other states; convene stakeholders for input on incentives. • Research existing collection contracts, identify opportunities for increased organics recycling in future contracts, and post model contracts on the Web.	Ecology will lead this effort and incorporate GB and MRW initiative goals/recommendations as possible. Ecology will lead these efforts in consultation with affected parties.	
ORG4 Develop a strategy to increase industrial and agricultural organics recovery • Assess barriers	Ecology will coordinate these efforts in collaboration with local government.	

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
4. Making Green Building Practices Mainstream		
GB1 Coordinate and facilitate partnerships to implement the green building action plan • Convene partnership forum to coordinate implementation of GB initiative.	Ecology will lead or coordinate these efforts.	GB3. (Remainder) Develop strategy to address disincentives and to employ incentives GB4. Expand capacity and markets for reusing and recycling construction and demolition materials. GB6. (Remainder) Info clearinghouse, technical assistance centers, marketing
GB2 Lead by example in State government • Assistance to state government to use green building practices, including procurement of environmentally preferable building materials; technical assistance and training. • Recommendations to legislature to identify incentives that will increase state government green building investments.	Ecology will lead this effort at first, in close cooperation with GA, OFM and other entities and will seek others to lead green building-related efforts. Ecology will lead these efforts in consultation with affected parties.	
GB3 Provide incentives that encourage green design, construction, and deconstruction • Research regulatory and other disincentives that act as barriers • Identify and promote existing incentives • Survey stakeholders for input on incentives and regulatory barriers	Ecology will lead these efforts in consultation with affected parties.	
GB5 Provide and promote statewide residential green building programs • Market available support, such as technical assistance, promotional materials, and checklists. • Create a BuiltGreen Washington Web site; cookbook on how to start new programs; market available resources and technical assistance.	Ecology will lead this effort with other entities.	
GB6 Increase awareness, knowledge and access to green building resources • Support expansion of educational programs that nonprofit, private, and government sectors are already providing; • Work with educational institutions at all levels to develop a plan for including GB practices in curricula.	Ecology will lead these efforts and will seek others to lead green building-related efforts.	
GB7 Encourage innovative product design • Support and actively participate in regional and national product stewardship councils and efforts to help ensure that current product stewardship initiatives for carpet, paint, and mercury-containing building products are making progress. • Use government purchasing power to drive product stewardship efforts.	Ecology will lead this effort at first, in close consultation with regional and national product stewardship councils and research universities.	

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
5. Measuring Progress Toward Beyond Waste		
DATA2 Continue the work of Ecology's data team to produce a joint Beyond Waste progress report	Ecology will lead this effort.	DATA1 Conduct a feasibility study to determine which major indicators to use
DATA3 Discuss indicators for each initiative	Ecology will lead this effort.	
6. Current Hazardous Waste System Issues		
HW1 Encourage P2 planners to address hazardous substance use including toxicity and risk in their P2 plans • Develop incentives, technical assistance, new tools.	Ecology will lead this effort.	HW1. (Remainder) Education on P2 Planning HW2 Develop an EMS hybrid model and guidance HW5. (Remainder) Inspections, additional training for businesses HW6 Modify the *Dangerous Waste Regulations* to encourage more waste and toxics minimization including upcycling HW7. (Remainder) Consistent regulation; increased public understanding; operator certification HW8 Develop accurate cost estimates for closure/ corrective action HW10 Explore private/public partnerships for waste handling facilities
HW3 Improve P2 plan quality and relationships with P2 planners (web-based P2 planning format).	Ecology will lead this effort with other entities.	
HW4 Strive for better relationships with the regulated community • HWTR inspectors more training, consistency, business experience, follow inspectors manual.	Ecology will lead this effort with other entities.	
HW5 Work to ensure greater compliance with the regulations • More compliance information on the Web.	Ecology will lead regulatory review efforts in cooperation with local government and others.	
HW7 Ensure hazardous waste management facilities are operated in a safe manner (rule development for TSD initiative)	Ecology will lead this effort.	
HW9 Reduce the administrative burden for corrective action facilities • Encourage voluntary cleanup, use of orders instead of permits, reasonable and protective cleanups.	Ecology will lead this effort.	

Recommendations to Begin in First Year	Approach for Implementation	Recommendations for Years 2-5
7. Current Solid Waste System Issues		
SW1 Evaluate local plans	Ecology will coordinate these efforts in collaboration with local government.	SW5 Ensure responsibilities are clear SW6 Characterize Washington's solid waste streams SW7 Plan for a stronger technical recycling system SW8 (Remainder)Complete inventories of closed/ abandoned landfills and dumps. SW9 Use process to prioritize problems at identified sites. SW10 Develop feasible and responsible processes for addressing priority sites SW11 Identify funding to address priority sites SW12 Ensure that existing disposal facilities comply with requirements SW13 Continually reduce disposal impacts on human health and the environment
SW2 Review the local planning guidelines • Review Planning Guidelines for existing requirements that support BW initiatives	Ecology will coordinate these efforts in collaboration with local government.	
SW3 Expand assistance to local planning jurisdictions	Ecology will coordinate these efforts in collaboration with local government.	
SW4 Collaborate with local government • Strategically use grant funds to encourage incorporating and implementing BW principles/priorities in local plans	Ecology will coordinate these efforts in collaboration with local government.	
SW8 Identify closed and abandoned sites statewide **SW9 Evaluate and prioritize problems at closed sites** • Convene workgroup to develop inventory and prioritization processes; provide assistance with inventories	Ecology will initiate this effort in close cooperation with local government and several other entities.	
SW14 Evaluate financing for the solid waste system • Convene workgroup to conduct evaluations of solid waste financing	Ecology will lead or coordinate these efforts in collaboration with local government.	

The Department of Ecology is also working on a number of actions that will maximize the agency's capacity to successfully implement Beyond Waste recommendations. Some of the initial steps Ecology is taking include an assessment and realignment of staff skills and expertise to the Beyond Waste vision, and the development of teams to implement elements of the plan in a coordinated fashion. Emerging technologies and infrastructure innovations will be prime areas for staff training.

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If you need this information in an alternate format, please call the Solid Waste and Financial Assistance Program at 360-407-6900. If you are a person with a speech or hearing impairment, call 711, or 800-833-6388 for TTY.